

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-217186

(43)Date of publication of application : 29.08.1990

(51)Int.Cl.

B23K 26/00

B23K 26/08

(21)Application number : 01-035020

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(22)Date of filing : 16.02.1989

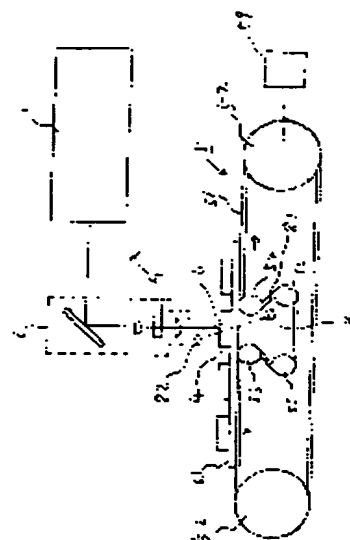
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(54) PROCESSING DEVICE BY LASER BEAM

(57)Abstract:

PURPOSE: To improve the detective accuracy of a work by arranging a pulley for evading a belt on the side opposite to the irradiating direction of a laser beam and arranging a transmission type photosensor at an avoidance space formed in this way to detect the work.

CONSTITUTION: The work 4 is conveyed by a conveyor belt 51 in a state that the work 4 is connected to a lead frame 41. The conveyor belt 51 starts from a carry-in side pulley 53 and arrives at a carryout side pulley 54 engaging to an avoidance pulley 55. The work 4 comes to a position 6 to be irradiated, is marked by a laser beam oscillator 1, then, carried out. A light emitting device 81 making up a transmission type photosensor is arranged at the avoidance space 9 and the fact that the work 4 is conveyed to the position 6 to be irradiated is detected by the transmission type photosensor composed of the light emitting device 81 and a light receiver 82 to operate the laser beam oscillator 1 and the work 4 is marked. Whether or not the work 4 is conveyed to the position 6 to be irradiated can be detected at high accuracy.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]